Features
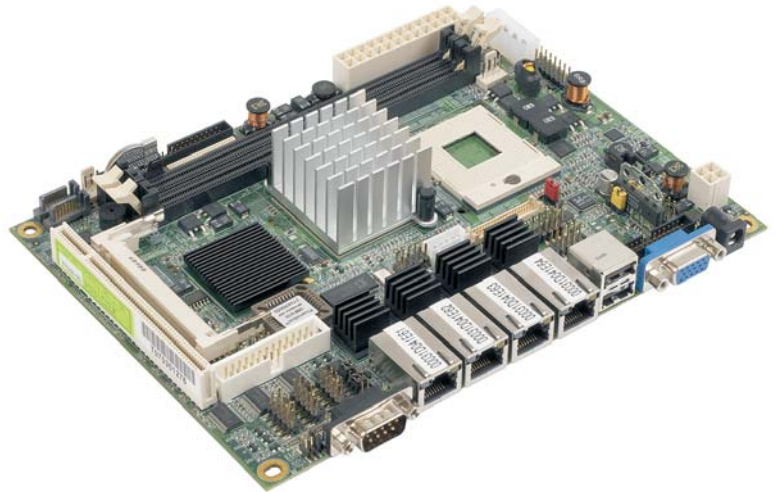
Features:

- Intel® Core™ 2 Duo technology

- High performance 5.25" format single board computer

- 4 x Gigabit LAN

- Dual video output

Supported Operating Systems:

- Windows® XP Embedded

- Linux

The GEMINI, 5.25" form-factor single board computer, brings Intel's latest Core 2 Duo technology to the embedded and industrial market. Offering our highest ever performance, coupled with the guaranteed longevity-of-supply the market expects from EUROTECH. The GEMINI has all the requirements for enterprise and residential network applications as well as the processing power to handle today's demanding software, such as graphics-intensive applications or serious number-crunching programs. Making the GEMINI ideal for use in low power, high density server racks, operator workstations, network controllers, multi-media displays and digital signage.

The GEMINI is supported with rapid application Development Kits for Windows XP Embedded and embedded Linux.

EUROTECH

GEMINI

Technical Specifications

PROCESSOR	Intel® Core™2 Duo/Core™Duo/Core™Solo/Celeron®M 4xx processor (Merom/Yonah) @ 533/667MHz FSB
CHIPSET	Intel 945GM and ICH7M chipset
SUPPORTED OS	Windows XP Embedded and Linux
MEMORY	Two DDR2 533/667MHz SDRAM up to 3GB
EXPANSION	1 x PCI socket (support for up to 2 PCI cards via a riser card), 1 x Mini-PCI socket
GRAPHICS	Dual video, VGA LVDS, DVI & HDTV (component video) output
	Up to 224MB video memory shared with system memory
AUDIO	Intel ICH7-M integrated with Realtek ALC655 5.1 CH AC97 CODEC
	S/PDIF compressed digital output to optical transmitter
USB PORTS	6 x USB 2.0
I/O PORTS	On internal headers: 2 x PS2, 1 x IrDA, 1 x GPIO, 2 x RS232, 1 x RS232/422/485, 2 x SATA, 1 x PCI, 1 x mini-PCI, 1 x CF, 1 x SYS fan, 1 x FDD, 1 x LPT, 1 x IDE, 1 x video, 1 x LCD inverter driver, 1 x audio, 1 x CDIN, 1 x LVDS, 4 x USB 2.0, 1 x DVI, 1 x CPU fan
	On external industry standard connectors: 1 x COM, 1 x VGA, 4 x RJ45, 2 x USB 2.0
ETHERNET	4 x Intel 82573L Gigabit Ethernet controllers
SERIAL PORTS	3 x RS232, 1 x RS232/422/485
PC PERIPHERALS	Printer, mouse, keyboard ports and Real Time Clock
AUXILIARY I/O	Programmable 8 x GPIO, 1 x IrDA
REAL TIME CLOCK	Accuracy +/- 1 minute/month @ 25°C
DRIVE SUPPORT	2 x SATA, IDE ATA, CompactFlash (CF+), FDD and USB
HUMIDITY	10% to 90% RH (non-condensing)
POWER SUPPLY	8 - 24V DC or standard ATX (59W max. using 2.13GHz Intel Core 2 Duo)
DIMENSIONS	5¼" form factor single board computer (203 x 146mm)
OPERATING TEMPERATURE	Commercial: 0°C to +60°C

About EUROTECH

EUROTECH delivers embedded computer systems for high capability and low power applications, networking and wearable computing solutions, and application framework middleware for multimedia, industrial, transportation, medical, and wireless applications. EUROTECH platforms allow OEM and enterprise customers to focus on their core revenue-generating products and services and get to market quickly.

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